



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D119-796-251
Job Sheet 176933



Part No: D119-796-251

Job Qty: 1 ea

Part Name: Aft Crosstube Installation With Step (No Hardware)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/3/18

Job Tracking No:

Due Date: 5/31/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG D119-796-251 REV E, IIN-D119-796 REV F IPP REV:A 14.09.09 NEW ISSUE DD VERF:JLM IPP REV:B 14.10.15 AS PER REV.A DD VERF:JLM IPP REV:C 14.11.19 AS PER REV.C DD VERF:JLM IPP REV:D 14.12.09 AS PER REV.PC6 DD VERF:JLM IPP REV:E 15.02.11 AS PER REV D JLM VERF:DD IPP REV:F 17.12.11 REMOVE PACK KIT DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	5/31/18	5/31/18	0.00	0.00	Start Up Crosstubes-1		AS AUG 02 2018
130	Crosstubes	1 pcs	5/31/18	5/31/18	0.00	0.51	Crosstubes-1		AS AUG 02 2018
140	QC	1 pcs	5/31/18	5/31/18	0.00	0.00	QC5		PD 15-08-03
145	DC	1 pcs	5/31/18	5/31/18	0.00	0.00	DC		N/R
150	Packaging	1 pcs	5/31/18	5/31/18	0.00	0.00	Packaging3-1	LG050	AS AUG 02 2018
160	QC21-FG	1 Ea	5/31/18	5/31/18	0.00	0.00	QC21		21 AUG 03 2018

Part Op 130 - 1- Install step and clamp with the proper position per dwg D119-796-251 ***Torque all clamps to 50 IN-LBS max.***
Descriptions: 140 - ***RE-CHECK TORCQUE ON CLAMP AS PER DWG.***

145 - Photocopy bluefile and create labels as per PPP D119-796-251 chg 004

150 - Identify and pack for shipping as per PPP D119-796-251

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D119-796-241	Aft Crosstube Installation Without Step (No Hardware)	1 Ea (1 ea)	90-Start up Operation	
D5123-3	Clamp Cushion	4 Ea (4 ea)	90-Start up Operation	
D5149-043	Aft Step Base Assembly	2 Ea (2 ea)	90-Start up Operation	
MS21920-25	Clamp	4 Ea (4 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D119-796-241 5079817	①	7	0
	D5123-3 5006028	④	294	0
	D5149-043 5092730	②	5	0
	MS21920-25 5068060 ③	⑤ 5079811 ①	97	0



1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S099000



Part: D119-796-251

Job No: 176933

Serial No/Batch: S099000

Revision: E/F

Inspector:

Exp Date:

15

be found.

Plex 5/3/18 10:05 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

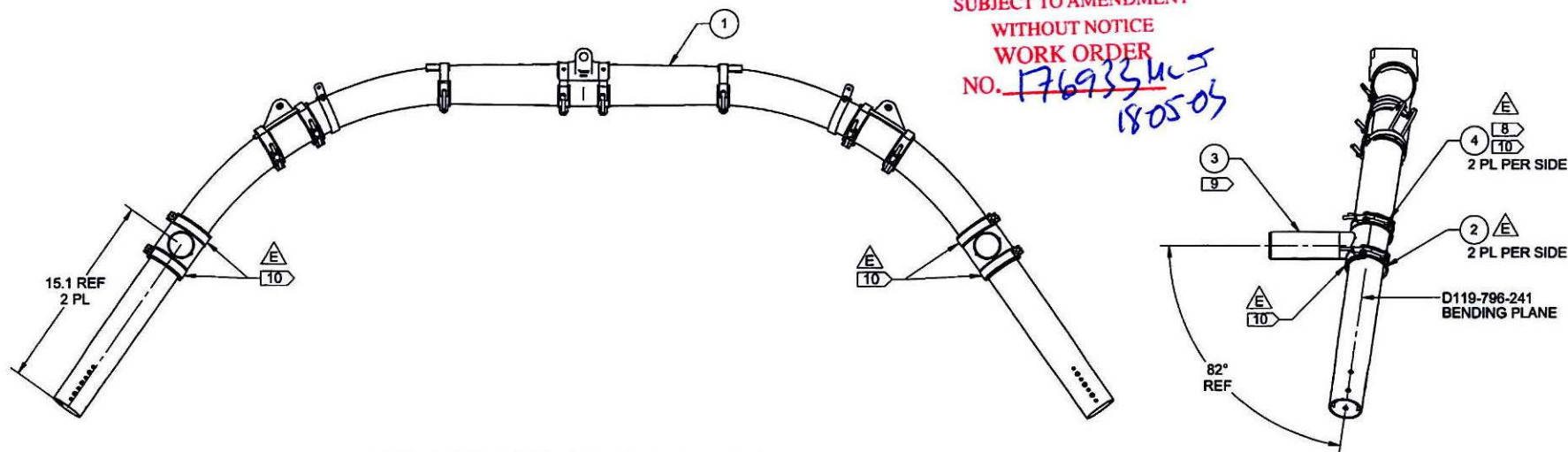
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																													
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval																																																																											
Description Work Order Deviation			Disposition																																																																												
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ITEM	QTY	P/N	DESCRIPTION
	X	D119-796-251	XTUBE ASSY (AW119 MKII AFT)
1	1	D119-796-241	XTUBE ASSY (AW119 MKII AFT)
2	4	D5123-3	CUSHION
3	2	D5149-043	AFT STEP ASSY
4	4	MS21920-25	CLAMP

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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 176935405
180505



D119-796-251 XTUBE ASSY (AW119 MKII AFT)

NOTES:

- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 METHOD 8.5
 - 7) WEIGHT: 29.9 lbs
 - 8) TORQUE MS21920-25 CLAMPS TO 50 IN-LBS MAX
 - 9) LOCATE STEP USING POST FITTING ON CROSSTUBE
 - 10) POSITION MS21920 CLAMPS SECURING THE STEPS AS SHOWN.
- THE THREADED PORTION OF THE CLAMP MUST FACE THE SAME DIRECTION AS THE STEP

E	MODIFY CLAMP ORIENTATION, ADD NOTE 10, REMOVED SECTION A-A (PAR16-527)	ML	17.02.10
D	D5123-3 WAS D5123-9, MS21920-25 WAS -28, ADDED SECTION A-A	AP	15.01.19
C	RE-DESIGN STEP INSTALLATION	DB	14.11.24
B	D2274 RADIUS BLOCK WAS D5153-1, AN4C12A WAS AN4C10A	AP	14.10.04
A	NEW ISSUE	AP	14.09.03
REV.	DESCRIPTION	BY	DATE
DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	ML		
CHECKED	NO	DRAWING NO. D119-796-251 REV. E SHEET 1 OF 1	
MFG. APPR.	DD		
APPROVED	WM	TITLE XTUBE ASSY (AW119 MKII AFT) SCALE NTS	
DE APPR.	DS-#		
DATE	17.02.10	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

RELEASED
2017-05-04
EN17-538

APPROVED

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
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